GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:2361
ANSWERED ON:30.11.2016
Indo-Israeli Research Project
Joshi Shri Pralhad Venkatesh

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether financial support is being provided by the Government for joint research activities carried out by Indian and Israeli researchers and if so, the details thereof;

(b) the research areas for which funding will be provided;

(c) details about number of projects and the funds allocated for these projects; and

(d) the objectives that the Government seeks to achieve by sponsoring the said joint research programme?

Answer

MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES
(SHRI.Y. S. CHOWDARY)

(a) Yes, Madam. The working program signed between two countries in March 2010 for establishing S&T collaboration between two countries provides mechanism to extend financial support for undertaking joint research activities by Indian and Israeli researchers through various modes viz. i) joint research and development (R&D) projects; ii) exchange visit of scientists and researchers; and iii) organization of bilateral symposium, seminars and workshops.

(b) Currently, a call for proposal is open for Indian and Israeli researchers to jointly submit research proposals in areas of (i) Big Data Analytics in Healthcare; and (ii) Security in Cyber Space for which an allocation of Rs. 4 crores to support up to 10 joint projects for a period of 2 years has been made.

(c) Presently, seven joint research projects in the areas of Material Engineering (energy storage/renewable energy); and Chemical Engineering (chemical processes and biotechnological aspects of renewable energy production) are under implementation. The details of the project with funds allocated against each are as given at Annex-1.

(d) The joint research programme between the two countries will boost India-Israel S & T Cooperation in advancing cutting edge scientific knowledge in areas of science and engineering through implementation of joint research projects by Indian & Israeli researchers in focused areas of bilateral importance.

Annex - 1

List of Indo-Israel Joint Project

S. No. Title of Project with date of sanction Indian PI & Institution Israeli PI & Institution Budget (in Rs)
(1) (2) (3) (4) (5)
Material Engineering − Energy Storage/renewable energy
1 CO2Methanation on Hexagonal Cobalt Nanoparticles Embedded over Carbon Nanodisks and Crystalline Mesoporous Carbon/Silica Composite
22.12.2014 Dr. G. Satish Kumar
Materials Chemistry Division, School of Advanced Sciences, VIT University, Vellore-632 014, Tamilnadu Dr. Miron V. Landau
Department of Chemical Engineering, University of The NegevBeer-Sheva 16,78,000/-
2 Enhancing the cycling stability and rate performance of positive materials for Li-ion and Na-ion batteries
23.12.2014 Dr. N. Munichandraiah
Inorganic and Physical Chemistry,
Indian Institute of Science, Bangalore Dr. DoronAurbach
Department of Chemistry
Bar Ilan University 29,65,160/-
3 Spectroscopic Investigation of the Core-Shell and
Ternary Quantum Dots for Quantum Dot Solar Cells
9.12.2014 Dr. Sayan Bhattacharyya
Dept of Chemical Sciences
Indian Institute of Science Education & Research, Kolkata, Mohanpur Campus

Mohanpur - 741252 West Bengal Prof. Daniel H. Rich
Department of Physics
Ben-Gurion University of the Negev 21,13,930/-
4 Development of plasmonic metal hybrid electrode system for II-VI quantum dot sensitized solar cells (QDSSCs): realization of carrier multiplication for better efficiency
22.12.2014 Dr. Ambesh Dixit
Dept. of Center for Energy
Indian Institute of Technology Jodhpur
Old Residency Road, Ratanada, Jodhpur, Rajasthan, 342011 Prof. ArieZaban
Chemistry Department & Nanotechnology Institute
Bar-Ilan University 32,87,228/-
Chemical engineering - Chemical processes and biotechnological aspects of renewable energy production
5 High Voltage Hybrid Perovskite Solar Cells − from Device to Stability - 02.01.2015 Dr. Shaibal K Sarkar
Dept of Energy Science and Engineering
Indian Institute Of Technology Bombay
Powai, 400076 Mumbai Dr. David Cahen
Dept of Materials and Interface
Weizmann Institute of Science 20,70,000/-
Mechanical engineering - Generation/production of renewable fuels for transportation
6 Novel Production Methodologies, detailed Physico-Chemical Characterization and Droplet Combustion Studies of Biodiesel from microalgae & waste cooking oils for Engine applications
23.12.2014 Prof. R. V. Ravikrishna Combustion and Spray Laboratory
Dept of Mechanical Engineering
Indian Institute of Science,
Bangalore-560 012
Prof. AharonGedanken
Department of chemistry
Bar-Ilan University 20,70,000/-
7 Numerical and Experimental studies of Swirl stabilized Hydrigen Fueled Combustor
13.01.2015 Prof. Debiprasad Mishra
Dept. of Combustion Laboratory
Indian Institute of Technology, Kanpur Prof. Steven Frankel
Dept. of Computational Fluid Dynamics Laboratory, Technion Institute of Technology, Israel 29,61,000/-

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